

09-2733

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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MAY - 8 2000

Applicant: **Yoshimura, et al.**

Serial No.: **09/295,431**

Filed: **April 20, 1999**

For: **MULTI-LAYER OPTO-ELECTRONIC
SUBSTRATES WITH ELECTRICAL AND
OPTICAL INTERCONNECTIONS AND
METHODS FOR MAKING**

Art Group Unit: **2733**

Examiner: **Unassigned**

Attorney Docket: **6136/53461**



**CERTIFICATE OF
MAILING/TRANSMISSION**
(37 C.F.R. § 1.8A)

Group 2700

I hereby certify that this correspondence is, on the date shown below, being:
(X) deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

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04-27-00
Date

Rosario G. Ysip

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §1.56 AND §§1.97-1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The citation listed on the enclosed PTO-1449 Form is submitted under 37 C.F.R. §§1.97 and 1.98, and in compliance with the duty of disclosure as defined in 37 C.F.R. §1.56. The Examiner is requested to make these citations officially of record in the application. This Supplemental Information Disclosure Statement is being submitted before receipt of the first Office Action for the above-identified application. Consequently, pursuant to 37 C.F.R. §1.97, no fee or certification is required. However, in the event that the first Office Action was mailed before the mailing of this Statement, the Commissioner is hereby authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to deposit account No. 13-0201 to cover this fee.

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Citations B3-B13 are Japanese Patent Documents. An English language Abstract is attached to the back of each of Citations B3-B13. In addition, Applicants note that Citations B3, B5 – B11, and B13 are claimed as priority documents to U.S. and European Patent Documents which have been submitted to the Office as follows, and are cumulative thereto:

<u>Japanese Document</u>	<u>Corresponding English Document</u>
B3 JP 7-077637 (JPSN 1993-223723)	U.S. 5,902,715 (Citation A79) U.S. 5,658,966 (Citation A75) U.S. 5,902,715 (Citation A79)
B5 JP 8-008389 (JPSN 1994-081933)	U.S. 5,801,439 (Citation A83)
B6 JP 8-065251 (JPSN 1994-200974)	U.S. 5,854,868 (Citation A78)
B7 JP 8-069024 (JPSN 1994-204922)	U.S. 5,854,868 (Citation A78)
B8 JP 8-253758 (JPSN 1995-059240)	U.S. 5,854,868 (Citation A78)
B9 JP 8-262246 (JPSN 1995-060847)	U.S. 5,818,983 (Citation A76)
B10 JP 8-262265 (JPSN 1995-060770)	U.S. 5,902,715 (Citation A79) U.S. 6,017,681 (Citation A84)
B11 JP 8-320422 (JPSN 1995-154697)	U.S. 5,854,868 (Citation A78) E.P. 689,067 A (Citation B2)
B13 JP 9-090153 (JPSN 1995-241924)	U.S. 5,835,646 (Citation A77)

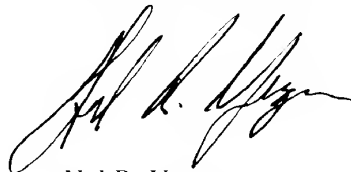
The following additional Derwent abstracts are provided for Citations B4 and B12:

B4 JP 8-007626 (JPSN 1994-140494) The micro lens comprises a first surface (13) on which a predetermined number of minute openings (14) are formed. A transparent member (12b) is formed on the first surface. A second surface (15) is placed over the transparent surface. The minute opening formed on the first surface spreads to the second surface, to form a high refraction area (16a) of predetermined number, whose refraction rate is higher than surroundings.

B12 JP 9-157352 (JPSN 1995-319076) A photosensitive, refractive-index distribution forming material comprises: (a) a binder containing an epoxy group-bearing compound; (b) a polymerisable monomer having an ethylenically unsaturated group; (c) a photopolymerisation initiator which polymerises the polymerisable monomer by means of light; and (d) a curing agent which cures the binder at about room temperature. Also claimed is a preparing process, for the above, comprising: (i) preparing a solution by dissolving the binder, the polymerisable monomer and the polymerisation initiator in a solvent; and (ii) adding the curing agent after removing the solvent from the solution.

This Information Disclosure Statement Under 37 C.F.R. §1.56 is not to be construed as a representation that any of the listed citations establishes, by itself or in combination with other information, a *prima facie* case of unpatentability of any claim in the above-identified application. Additionally, this Information Disclosure Statement is not to be construed as a representation that a further search of the art has been made by Applicants, or that additional information relevant to the examination of this application does not exist unbeknownst to Applicants.

Respectfully submitted,



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April 27, 2000
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